**HandBOOK UPDATE – Chapter 1**

**Summer 2018**

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**Update No.1**

**proc** **sort** data = compann;

by gvkey fyear fyr;

**quit**;

**data** sample1; set compann;

lag\_gvkey = lag(gvkey);

lag\_fyear = lag(fyear);

lag\_at = lag(at);

if gvkey NE lag\_gvkey then lag\_at = **.**;

if fyear-**1** NE lag\_fyear then lag\_at = **.**;

avg\_at = (at + lag\_at)/**2**;

if avg\_at > **0** then ROA = ib / avg\_at;

drop indfmt datafmt popsrc consol;

**run**;

**proc** **print** data = sample1(obs=**20**);

**run**;

**Update No.2**

**data** compsic;

set comp.company (keep= gvkey sic);

if sic GE **3000** and sic LE **4000**;

**run**;

**proc** **sql**;

create table compmerged

as select a.\*, b.\*

from compqtr as a

inner join compsic as b

on a.gvkey = b.gvkey;

**quit**;

**proc** **download** data = compmerged;

**quit**;

endrsubmit;

**data** example2; set compmerged;

if missing(datadate) then delete;

drop indfmt datafmt popsrc consol;

**run**;

**proc** **print** data = example2(obs=**15**);

**run**;

**Update No.3**

**proc** **download** data=intlfirms;

**quit**;

endrsubmit;

**data** exchrate\_dates;

format exch\_date date9.;

input exch\_date yymmdd10.;

CARDS;

20061231

;

**run**;

rsubmit;

**proc** **upload** data = exchrate\_dates;

**run**;

**proc** **sql**;

create table exchrates

as select x.\*, s.\*

from comp.g\_exrt\_mth(keep=fromcurm tocurm exratm datadate) as x

inner join exchrate\_dates as s

on s.exch\_date = x.datadate;

**quit**;

**proc** **print** data=exchrates (obs=**5**);

**run**;

**proc** **download** data=exchrates;

**run**;

endrsubmit;